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**FLOW THROUGH CHEMICAL INDICATOR FOR MEASUREMENT OF ACTIVE
BIOCIDAL AGENTS IN A SINGLE USE PACKAGE**

Abstract of the Disclosure

A single-use cartridge C contains a dose of a concentrated decontaminant for providing a decontaminant solution upon mixing with water. The cartridge is inserted into the well (16) of a decontamination system (A). Fresh water and then the decontaminant solution are recirculated through the well during a decontamination cycle. The cartridge includes a porous region (42), through which the decontaminant solution flows. Impregnated in the porous region is a chemical indicator (44), such as crystal violet, which gradually changes color on exposure to the decontaminant. The indicator provides a semi-quantitative indication of the integrated level of the decontaminant in the solution over time for determining whether an acceptable level of the decontaminant was present for decontamination.

A preferred embodiment of the cartridge C includes nested inner and outer water-penetrable cups (50,150,70,170) for holding first and second reagents. The two cups are sealed together adjacent upper open ends (56,92,156,192). A porous top cover (94, 194) is sealed to the inner cup adjacent the inner cup open end (92, 192) to complete the cartridge. The two reagents react with water flowing through the cartridge to form the decontaminant solution. The chemical indicator is printed on the top cover so that it is exposed to the decontaminant solution as it is recirculated through the cartridge.